a passive control for changing the flow rate setting of the valve in response to a received external control signal.

- 15. (Amended) An implantable medical pump, comprising:
- a fluid reservoir;
- a multi-stable valve having multiple states for providing a plurality of flow rates of fluid from the fluid reservoir;
- a flow restrictor operatively coupled to the multi-stable valve for regulating the flow rate of fluid from the fluid reservoir; and
- a passive control for changing the flow rate setting of the multi-stable valve in response to a received external control signal.

NEW CLAIMS:

Please add the following new claims 33-60:

- 33. (New) The implantable medical pump of claim 9, further comprising a receiver for receiving the control signal via telemetry from an external device, wherein the control signal provides instruction to adjust the flow rate of the fluid from a first flow rate to a second flow rate.
- 34. (New) The implantable medical pump of claim 9, wherein the passive control is powered by the external control signal.

- 35. (New) The implantable medical pump of claim 15, further comprising a receiver for receiving the control signal via telemetry from an external device, wherein the control signal provides instruction to adjust the flow rate of the fluid from a first flow rate to a second flow rate.
- 36. (New) The implantable medical pump of claim 15, wherein the passive control is powered by the external control signal.
- 37. (New) The implantable medical pump of claim 21, further comprising a receiver for receiving the control signal via telemetry from an external device, wherein the control signal provides instruction to adjust the flow rate of the fluid from a first flow rate to a second flow rate.
- 38. (New) The implantable medical pump of claim 21, wherein the passive control is powered by the external control signal.
- 39. (New) The implantable medical pump of claim 27, further comprising a receiver for receiving the control signal via telemetry from an external device, wherein the control signal provides instruction to adjust the flow rate of the fluid from a first flow rate to a second flow rate.
- 40. (New) The implantable medical pump of claim 27, wherein the passive control is powered by the external control signal.

- 41. (New) An implantable medical pump comprising in combination:
- a fluid reservoir;
- a passive regulator assembly for controlling a flow rate of fluid from the fluid reservoir;
- a receiver for receiving a control signal via telemetry from an external device, wherein the control signal provides instruction to adjust the flow rate of the fluid from a first flow rate to a second flow rate; and

a control responsive to the control signal for adjusting the passive regulator assembly to cause a change in the flow rate.

- 42. (New) The implantable medical pump of claim 41, further comprising an external power source for providing power to various components in the implantable medical pump.
- 43. (New) The implantable medical pump of claim 41, further comprising an external power source for providing power to the implantable medical pump necessary to adjust the flow rate.
- 44. (New) The implantable medical pump of claim 41 wherein the implantable medical pump is a passive device that is capable of delivery of drug to the patient without an internal power supply.
- 45. (New) The implantable medical pump of claim 41 wherein the control is an electromechanical control.

46. (New) The implantable medical pump of claim 41 wherein the control is a passive control powered by an external power supply.

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- 47. (New) The implantable medical pump of claim 41 wherein the control signal is a radio frequency signal.
- 48. (New) The implantable medical pump of claim 41 wherein the control signal is received from a programmer.
- 49. (New) The implantable medical pump of claim 41 further comprising a first sensor for measuring the flow rate.
- 50. (New) The implantable medical pump of claim 41 further comprising a second sensor for measuring a volume of fluid in the fluid reservoir.
- 51. (New) The implantable medical pump of claim 41 wherein the passive regulator assembly comprises at least one valve.
- 52. (New) The implantable medical pump of claim 51 wherein the valve is a bi-stable valve.

- 53. (New) The implantable medical pump of claim 51 wherein the valve is a multistable valve.
- 54. (New) The implantable medical pump of claim 51 wherein the valve is a shape-memory valve.
- 55. (New) The implantable medical pump of claim 51 wherein the valve is a bimetallic valve.
- 56. (New) The implantable medical pump of claim 51 wherein the valve is a micromachined valve.
- 57. (New) The implantable medical pump of claim 41 wherein the passive regulator assembly comprises at least one restrictor.
- 58. (New) The implantable medical pump of claim 41 wherein the passive regulator assembly comprises at least one restrictor and at least one valve operatively coupled to the restrictor.
- 59. (New) The implantable medical pump of claim 41 wherein the control is an electromechanical control.